



Inc. 1910

Public Works

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MEMORANUM

TO: Hyrum Johnson, Mayor
FROM: Jay T. Mazalewski
DATE: 6/19/2017

RE: Wastewater Testing and Plant Operations Update

City of Driggs – Wastewater Testing Plan:

1. Initial testing of wastewater strength is complete for the City of Driggs. Tests were completed per the Sampling Quality Assurance Plan for City of Driggs Wastewater Treatment Facility. Results are shown below:





Location	Service Area	Date	PH	TEMP	COD	AMMONIA	PHOSPHORUS	ALKALINITY						
Miller Ranch		1 3/30/2017	8.06	12	334	28.7	27.4	316						
Valley Center LS		2 2/23/2017	8.1	11.6	863	26.8		253						
Ross/Main		3 4/11/2017	8.3	13.3	397	31.9	38.2	333						
Shoshoni		4 4/12/2017	8.09	8.8	339	29.3	31.1	317						
Lynettes		5 3/29/2017	7.75	7	819	27.3	51.6	338	*Service areas 5, 6, 8 tested at MH behind Lynettes Salon					
Lynettes		6 3/29/2017	7.75	7	819	27.3	51.6	338	*Service areas 5, 6, 8 tested at MH behind Lynettes Salon					
Sagewood		7 4/7/2017	8.31	14	690	35.9	39.9							
Lynettes		6 3/29/2017	7.75	7	819	27.3	51.6	338	*Service areas 5, 6, 8 tested at MH behind Lynettes Salon					
Freemont		9 4/14/2017	8.23	16	1003	36.3	45.8	363						
Main LS		10 4/20/2017	8.4	16.2	1316	31	35.1	379	*Service areas 10 & 11 tested at Main Lift Station.					
Main LS		11 4/20/2017	8.4	16.2	1316	31	35.1	379	*Service areas 10 & 11 tested at Main Lift Station.					
Forest Service		12 3/23/2017	7.84	8.8	469	16.8	36.6	282						
Gemstone		13 4/5/2017	8.15	7.7	915	43.9	73.3	422						
Creekside		14 3/13/2017	8.53	10.4	487	11.1	14.9	191						

2. City of Victor is progressing with their testing. I will be compiling their data as I received it.
3. Driggs in conjunction with Victor and Aqua Engineering has ordered a Strathtox Respirometer to determine if something in our effluent is killing the nitrifiers. The equipment was ordered on March 22. Unfortunately, the manufacturer was delayed and it is due to be delivered June 22. Once received, city staff will implement the testing plan (see attached).



Wastewater Treatment Plant – Operations and Maintenance:

1. Beginning in late March/Early April, the City of Driggs increased our Public Works staffing levels. This allowed one member to be dedicated to the WWTP. 2-3 days per week. Additionally, the City of Victor also dedicated a staff member to the WWTP 2-3 days per week. The dedicated staff time has improved the maintenance, operation, and troubleshooting of the treatment plant.
2. The City of Driggs is currently advertising for another employee to work at the treatment plant and on our wastewater collection system.

3. The PW Staff determined that additional work was needed at the treatment plant and created an update to our current Operation (see 5/3/2017 memo).
 - a. Aquarius was contacted and we are attempting to schedule additional training
 - b. Aquarius created a scouring plan to remove excess growth on media
 - c. Driggs is currently scouring the media weekly to remove the excess growth. 
 - d. Plant was seeded with MircoClear 201 and M-100 
4. We are seeing improvement within the plant based on investigatory testing and visual assessment. However, we are still seeing high sludge levels due to the scouring. We are unsure if the improvements are based on our work or the warmer weather.